

# KOREAN PATENT ABSTRACT(KR)

(11) Publication No.: 2001-0076941

(43) Publication Date: 20010817

(21) Application No.:10-2000-004382 (22) Application Date : 20000128

(51) IPC Code:

C12N 5/00

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(54) TITLE OF THE INVENTION

# Embryo from wild animal with inter-species nuclear transplantation and method for production thereof

## <Abstract>

The method for producing cloned tigers of the invention comprises the steps of: (a) collecting a immature oocyte from of the ovary a slaughtered livestock and culturing; (b) establishing a cell line derived from the tiger and storing ; (c) cutting a portion of zona pellucida of the mature oocytes prepared by the (a) step to make a slit and squeezing out a 10 to 30% portion of cytoplasm through the slit to give the enucleated oocytes; (d) transferring the donor cell prepared by the (b) step to the enucleated recipient oocytes of the (c) step; (e) conducting a subsequent electrofusion to the oocytes of the (d) step under DC of condition ;(f) activating the electrofused cell in medium containing chemical; and (g) postactivating and culturing the activated cell to give embryos,

The donor cell for transfer the nucleus is derived from ear of the tiger and preservation of the somatic cell can be achieved by subculture, serum free culture or cryopreservation.